

# SITEDRAIN™ STRIP 9800

## PREFABRICATED STRIP DRAIN



### PRODUCT OVERVIEW

SITEDRAIN Strip 9800 geocomposite strip drain products are composed of a dimpled polymeric perforated core fully wrapped in a nonwoven geotextile. The geotextile allows water to pass through while retaining backfill materials. The perforated core allows water collection from all sides and provides a continuous flow path to designated drainage exits.

SITEDRAIN Strip 9800 products provide a value engineered alternative to perforated pipe and aggregate subsurface drainage systems requiring high strength, high flow capacity, and a geotextile meeting AASHTO M288 Class 1 subsurface drainage requirements.

| PROPERTY <sup>1</sup>                    | TEST METHOD              | UNIT OF MEASURE       | Typical Value | MARV     |
|--|--------------------------|-----------------------|---------------|----------|
| <b>GEOTEXTILE</b>                        |                          |                       |               |          |
| Material <sup>2</sup>                    |                          |                       | PP, NPNW      | PP, NPNW |
| Survivability                            | AASHTO M288              | Class                 | 1             | 1        |
| Grab Tensile Strength                    | ASTM D4632               | lbs                   | 245           | 205      |
|  |                          | N                     | 1,090         | 912      |
| Grab Elongation                          | ASTM D4632               | %                     | 60            | 50       |
| CBR Puncture                             | ASTM D6241               | lbs                   | 580           | 535      |
|  |                          | N                     | 2,580         | 2,380    |
| Trapezoidal Tear                         | ASTM D4533               | lbs                   | 100           | 80       |
|  |                          | N                     | 445           | 356      |
| UV Resistance                            | ASTM D4355               | % / 500 Hrs           | 70            | 70       |
| Apparent Opening Size (AOS) <sup>3</sup> | ASTM D4751               | sieve                 | 80            | 80       |
|  |                          | mm                    | 0.180         | 0.180    |
| Permittivity                             | ASTM D4491               | sec <sup>-1</sup>     | 1.8           | 1.4      |
| Water Flow Rate                          | ASTM D4491               | gpm / ft <sup>2</sup> | 135           | 100      |
|  |                          | Lpm / m <sup>2</sup>  | 5,501         | 4,074    |
| <b>CORE</b>                              |                          |                       |               |          |
| Compressive Strength                     | ASTM D6364<br>ASTM D1621 | psf                   | 9,500         | -        |
|  |                          | kPa                   | 455           | -        |
| Thickness                                | ASTM D5199               | in                    | 1.0           | -        |
|  |                          | mm                    | 25.4          | -        |
| In-Plane Flow Rate <sup>4</sup>          | ASTM D4716               | gpm/ft                | 21            | -        |
|  |                          | Lpm/m                 | 261           | -        |

| MODEL | WIDTH | ROLL LENGTH | ROLL WEIGHT | ITEM CODE |
|-------|-------|-------------|-------------|-----------|
| 9806  | 6"    | 150'        | 34 lbs      | 10700     |
| 9812  | 12"   | 150'        | 60 lbs      | 10710     |
| 9812  | 12"   | 500'        | 200 lbs     | 14390     |
| 9818  | 18"   | 150'        | 78 lbs      | 10720     |
| 9824  | 24"   | 150'        | 104 lbs     | 10730     |
| 9836  | 36"   | 100'        | 104 lbs     | 10740     |

<sup>1</sup> Unless otherwise noted, all physical and performance properties listed are Typical Value or Minimum Average Roll Value (MARV) as defined in ASTM D4439.

<sup>2</sup> PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

<sup>3</sup> Values for AOS represent Maximum Average Roll Value (MaxARV).

<sup>4</sup> In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 0.1.

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